microTALK®

Two-Way Radio **Model MT 750**

ENGLISH

Combination Speaker/Microphone/Charging Jack

Antenna

VOLUME CONTROL Buttons

POWER Button

LOCK Button

CHANNEL CONTROL Buttons

TALK Button

LIGHT/MAX RANGE Button

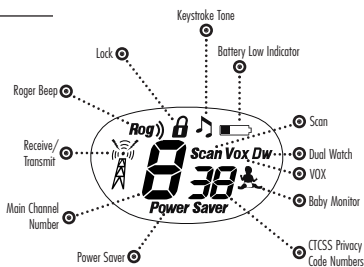MODE Button

Charger

Call Button

Speaker/Microphone

This equipment is intended for use in:

AT	✓	CY	✓	FI	✓	IE	✓	LU	✓	PT	✓
BA		CZ	✓	FR	✓	IS	✓	MK		RO	✓
BE	✓	DE	✓	GB	✓	IT	✓	MT		SE	✓
BG		DK	✓	GR	✓	LT	✓	NL	✓	SI	✓
CH	✓	EE	✓	HR		LV	✓	NO	✓	SK	✓
CS		ES	✓	HU	✓	LI	✓	PL	✓	TR	✓

✓Countries of use

Printed in Philippines Part No. 480-263-P Version A

Product Features

- **Two-Way Radio**
  with up to a 5 km (3 mile) range
- **8 Channels***
- **38 CTCSS Privacy Codes**
- **Backlit LCD** Display
- **Water Resistant**
- **Battery Saver** Circuitry
- **Maximum Range** Extender
- **VOX** Mode for Hands-Free Transmissions
- **Baby Monitor** Function
- **Call Alert** (5 Selectable Tones)
- **Scan** (Channel, Privacy Code)
- **Dual Watch** Programmable 2-Location Scan
- **Key Lock**
- **Auto Squelch**
- Selectable On/Off **"Roger Beep"** Confirmation Tone
- Selectable On/Off **Keystroke Tone**
- **Combination Speaker/Microphone/Charging Jack**
- **Belt Clip**

You are not allowed to use channels 1 and 2 in France. This situation can change; please contact the French radio licensing authority for more information.

Keystroke Tone

Lock

Battery Low Indicator

Roger Beep

Scan

Dual Watch

Receive/Transmit

VOX

Baby Monitor

Main Channel Number

CTCSS Privacy Code Numbers

Power Saver

Rog)) Scan Vox Dw Power Saver

Belt Clip

Wrist Strap Connection Location

Battery Compartment

Lock Tab

Product Information

This microTALK® radio has been manufactured to meet all required standards for radio equipment using PMR 446 frequencies as authorized. The use of this two-way radio product involves the public airways and its use may be subject to local laws or regulations. Contact your radio licensing authority for more information.
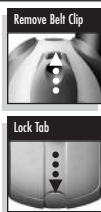
Caring for Your Radio

Your microTALK® radio will give you years of trouble-free service if cared for properly. Here are a few suggestions:

• Handle the radio gently.
• Keep it away from dust.
• Never put the radio in water or in a damp place.
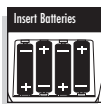• Avoid exposure to extreme temperatures.

Desktop Charger and Rechargeable Batteries

To Insert Batteries in Radio:

1. Remove belt clip by releasing belt clip latch and sliding clip up.

Remove Belt Clip

2. Pull down on lock tab to remove battery cover (on back of radio).

Lock Tab

3. Insert GA-3ANH batteries according to polarity markings.

NOTE: Estimated operation time on full charge: 12 hours.
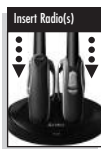

Insert Batteries

These rechargeable batteries must be recycled or disposed of properly in compliance with all applicable laws. They must not be thrown in the rubbish bin. Some countries and local authorities require recycling and have established collection programs. Please contact your local waste disposal authority for instructions.

WARNING: Do not put batteries into fire or expose to high heat. They may explode.

For Charging Cobra's microTALK® Radio(s):

1. Insert radio(s) into the charger as shown.

Insert Radio(s)

2. Insert round connector of 230 volt adaptor into jack on back of charger.

3. Plug 230 volt adaptor into mains socket.

If charging light is not On, check position of radio. Radio should be upright.

The charge indicator light will stay On as long as the radio is in the charging well, even after the batteries are fully charged.

It normally takes about 15 hours to fully recharge batteries. Batteries will not be damaged if they stay in the charging well longer than that.

Each port can charge one radio. Uses 230 volt adaptor. Use only Cobra NiMH batteries, model GA-3ANH with charger model PA-CD3.

Cobra recommends your radio is turned Off while being charged.

Radio Power

To Turn Your Radio On:

– Press and hold the POWER button until you hear a series of audible tones indicating that the radio is On.
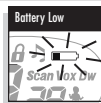

Power Button

Your microTALK® radio is now in LISTENING MODE, ready to receive transmissions. The radio is always in LISTENING MODE, except when the TALK, CALL or MODE buttons are pressed.

To Turn Your Radio Off:

– Press and hold the POWER button.

Battery Low Indicator

When battery power is low, the BATTERY LOW indicator will blink, indicating that batteries should be recharged or replaced.

Battery Low

WARNING: Only the supplied NiMH batteries can be recharged.
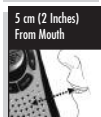
Battery/Power Saver

If there are no transmissions within ten (10) seconds, the unit will automatically switch to Battery Save Mode and POWER SAVER will appear in the display. This will not affect the unit's ability to receive incoming transmissions.

Power Saver

Communicating with Another Person

To Talk To Another Person:

1. Press and hold the TALK button.

Talk Button

2. With the microphone about 5 cm (2 inches) from your mouth, speak in a normal voice.

5 cm (2 Inches) From Mouth

3. Release the button when you have finished talking and listen for a response.

You cannot receive incoming calls while pressing the TALK button.

NOTE: Both radios must be tuned to the same channel and privacy code to communicate.

Listening for a Response

When You Have Finished Talking:

– Release the TALK button to receive incoming transmissions. Your microTALK® is always in LISTENING MODE except when the TALK, CALL or MODE buttons are pressed.
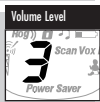
Volume

To Adjust the Volume:

– Press the VOLUME UP or the VOLUME DOWN buttons.

A triple beep sound is used to indicate that you have reached the minimum (1) or maximum (8) volume level.
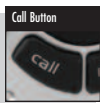
Call Button

To Alert Another Person That You Are Calling:

– Press and release the CALL button.

The other person will hear a two (2) second ringing tone. You cannot receive transmissions while sending a call.

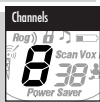*NOTE: Both radios must be tuned to the same channel and privacy code to communicate.*

Channels

To Select a Channel:

– With the radio ON, select any of the 8 channels by pushing the CHANNEL UP or CHANNEL DOWN button.

You can press and hold the CHANNEL UP or CHANNEL DOWN button for fast advance.

NOTE: Both radios must be tuned to the same channel and privacy code (see "CTCSS Privacy Codes") to communicate.
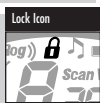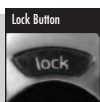
Lock Function

The LOCK button locks the CHANNEL UP, CHANNEL DOWN, MODE and POWER buttons to prevent accidental operation.

To Use the Lock Function:

– Press and hold the LOCK button for two (2) seconds to turn the Lock On or Off.

A double beep sound is used to confirm your Lock On or Off request. When the radio is in Lock Mode, the Lock icon will be displayed.

Display Illumination

To Illuminate Your Display:

– Press and release the LIGHT/MAX RANGE button to illuminate the display for ten (10) seconds.

Auto Squelch/ Maximum Range Extender

Your microTALK® radio is equipped with Auto Squelch, which automatically shuts off weak transmissions and unwanted noise resulting from terrain, conditions, or from reaching your maximum range limit.

You can temporarily turn Off Auto Squelch or turn On Maximum Range Extender, allowing all signals to be received and extending the maximum range of your radio.

To Temporarily Turn Off Auto Squelch:

– Press the LIGHT/MAX RANGE button for less than five (5) seconds.

If you hear two (2) beeps, you have turned the Maximum Range Extender On (see below).

To Turn Maximum Range Extender On:

– Press and hold the LIGHT/MAX RANGE button for at least five (5) seconds until you hear two (2) beeps, indicating that the Maximum Range Extender is On.

To Turn Maximum Range Extender Off:

– Press and release the LIGHT/MAX RANGE button or change channels.

microTALK® Range

Your microTALK® radio has a range of up to five (5) kilometres (3 miles). Your range will vary depending on terrain and conditions.

In flat, open country your radio will operate at maximum range.

Buildings and foliage in the path of the signal can reduce the range.

Dense foliage and hilly terrain will further reduce the signal.

Remember, you can achieve maximum range by using Maximum Range Extender. See above for details.

Combination Speaker/Microphone/Charging Jack

Your microTALK® radio can be fitted with an external speaker/microphone, freeing your hands for other tasks. This same jack also serves as the connecting point for an optional wall charger/adaptor.

To Attach a Speaker/Microphone:

1. Open the speaker/ microphone/charging tab on the top of your microTALK® radio.

Speaker/ Microphone/ Charging Jack

2. Insert the plug into the speaker/microphone/ charging jack.

To Connect a Wall Charger/Adaptor:

1. Open the speaker/microphone/charging tab on top of your microTALK® radio.

2. Insert the wall charger/adaptor plug into the speaker/microphone/charging jack.

To Select a Privacy Code:

1. After selecting a channel, press and release the MODE button until the small numbers next to the channel number flash on the display.

Mode Button

2. Press the CHANNEL UP or CHANNEL DOWN button to select a privacy code. You can press and hold the CHANNEL UP or CHANNEL DOWN button for fast advance through CTCSS privacy code numbers.

Select Privacy Code

3. When your desired privacy code is displayed, choose one of the following:

Channel Buttons

   a. Press the MODE button to enter the new setting and proceed to other functions.

   b. Press the LOCK button to enter the new setting and return to LISTENING MODE.

   c. Do not press any buttons for fifteen (15) seconds to enter the new setting and return to LISTENING MODE.

Scrolling Through the Mode Functions

By scrolling through the Mode Functions, you will be able to select or change preferred features of your microTALK® radio. While you are scrolling through the Mode Functions, your radio features will be displayed in the same predetermined order:

- Set CTCSS Privacy Codes
- Set VOX On/Off
- Set VOX Sensitivity Level
- Set Channel Scan
- Set CTCSS Privacy Code Scan
- Program Dual Watch Location or Set Dual Watch On/Off
- Set Baby Monitor
- Set Call Tones
- Set "Roger Beep" On/Off
- Set Keystroke Tones On/Off

CTCSS Privacy Codes

CTCSS (Continuous Tone Coded Squelch System) is an advanced tone coding system allowing you to select one of 38 privacy codes to reduce incoming transmissions from other users on the channel.

NOTE: If you are using a privacy code, both radios must be tuned to the same channel and privacy code to communicate. Each channel will remember the last privacy code you selected.

Voice Activated Transmit (VOX)

In VOX Mode, your microTALK® radio can be used "hands-free," automatically transmitting when you speak. You can set the VOX sensitivity level to fit the volume of your voice and avoid transmissions triggered by background noise.

To Turn VOX Mode On or Off:

1. Press the MODE button until the VOX icon flashes on the display. The current On or Off setting is displayed.

Mode Button

2. Press the CHANNEL UP or CHANNEL DOWN button to turn VOX On or Off.

Select VOX

3. When your desired VOX Mode setting is displayed, choose one of the following:

Channel Buttons

   a. Press the MODE button to enter the new setting and proceed to other functions.

   b. Press the LOCK button to enter the new setting and return to LISTENING MODE.

   c. Do not press any buttons for fifteen (15) seconds to enter the new setting and return to LISTENING MODE.

To Set the VOX Sensitivity Level:

1. Press the MODE button until the VOX icon flashes and the current sensitivity level is displayed.

The current sensitivity level is displayed with the letter "L" and a number 1 to 5, 5 being the most sensitive level and 1 being the least sensitive level.

2. Press the CHANNEL UP or CHANNEL DOWN button to change the setting.

3. When your desired VOX sensitivity level is displayed, choose one of the following:

   a. Press the MODE button to enter the new setting and proceed to other functions.

   b. Press the LOCK button to enter the new setting and return to LISTENING MODE.

   c. Do not press any buttons for fifteen (15) seconds to enter the new setting and return to LISTENING MODE.

During An Incoming Transmission, You Can Choose From The Following:

   a. Press and hold the TALK button to communicate on that channel. Your radio will remain on that channel and return to LISTENING MODE.

   b. Press the CHANNEL UP or CHANNEL DOWN button to resume scanning channels.

If you press the TALK button while scanning and not within ten (10) seconds of receiving a transmission, you will transmit on the channel on which you last received a transmission. This will return the radio to LISTENING MODE.

If you do not press any button within ten (10) seconds, your radio will automatically resume scanning channels.

During Scanning (while not receiving a transmission), You Can Choose From The Following:

   a. Press and hold the TALK button to communicate on either the channel or channel/privacy code that was displayed before you entered Mode Functions or the channel on which, during scanning, you last received a transmission. This will return the radio to LISTENING MODE.

   b. Press the MODE button to proceed to set CTCSS privacy code on the channel that was either displayed before you entered Mode

Channel Scan

Your microTALK® radio can automatically scan channels (1 to 8).

NOTE: The radio ignores specific CTCSS privacy codes while scanning channels.

To Scan Channels:

1. Press the MODE button until the Scan icon and the channel number flash on the display.

2. Press the CHANNEL UP or CHANNEL DOWN button to begin scanning channels.

The Scan icon will continue to be displayed when channel scan is On. Your radio will continue to scan all channels and stop if an incoming transmission is detected. Your radio will remain on that channel for ten (10) seconds.

While setting channel scan, if you do not press any buttons for fifteen (15) seconds your radio will automatically return to LISTENING MODE on the channel or channel/privacy code displayed before you entered Mode Functions.

Functions or on which, during scanning, you last received a transmission (see "CTCSS Privacy Code Scan" for further details).
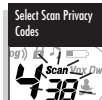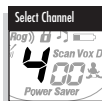
   c. Press the LOCK button to return to LISTENING MODE on either the channel or channel/privacy code that was displayed before you entered Mode Functions or the channel on which, during scanning, you last transmitted or received.

CTCSS Privacy Code Scan

Your microTALK® radio can automatically scan the CTCSS privacy codes (01 to 38) within one (1) channel.

To Scan Privacy Codes:

1. While in LISTENING MODE, press the CHANNEL UP or CHANNEL DOWN button to choose the channel on which you wish to scan the CTCSS privacy codes.

2. Press the MODE button until the Scan icon and the small numbers next to the channel number flash on the display.

3. Press the CHANNEL UP or CHANNEL DOWN button to begin scanning CTCSS privacy codes within the channel you selected.

The Scan icon will continue to be displayed when CTCSS privacy code scan is On. Your radio will continue to scan CTCSS privacy codes and stop as an incoming transmission is detected. Your radio will remain on that channel/privacy code for ten (10) seconds.

While setting CTCSS privacy code scan, if you do not press any buttons for fifteen (15) seconds your radio will automatically return to LISTENING MODE on the channel/privacy code that was displayed before you entered Mode Functions.

During An Incoming Transmission, You Can Choose From The Following:

a. Press and hold the TALK button to communicate on that channel/privacy code. Your radio will remain on that channel/privacy code and return to LISTENING MODE.

b. Press the CHANNEL UP or CHANNEL DOWN button to resume scanning CTCSS privacy codes.

If you press the TALK button while scanning and not within ten (10) seconds of receiving a transmission, you will transmit on the channel/privacy code on which you last received a transmission. This will return the radio to LISTENING MODE.

If you do not press any button within ten (10) seconds, your radio will automatically resume scanning CTCSS privacy codes.

During Scanning (while not receiving a transmission), You Can Choose From The Following:

a. Press and hold the TALK button to communicate on either the channel or channel/privacy code that was displayed before you entered Mode Functions or channel/privacy code on which, during scanning, you last received a transmission. This will return the radio to LISTENING MODE.

b. Press the MODE button to proceed to next available Mode Function.

c. Press the LOCK button to return to LISTENING MODE on either the channel or channel/privacy code that was displayed before you entered Mode Functions or the channel/privacy code on which, during scanning, you last received a transmission.
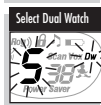
Dual Watch

Dual Watch allows you to simultaneously monitor any two (2) Dual Watch Locations:

Dual Watch Location 1 — is always the channel/privacy code displayed before you entered Mode Functions. See "Channels" and "CTCSS Privacy Codes" sections for further details.

Dual Watch Location 2 — will be stored in the radio. It can be edited and/or recalled for future engagements of Dual Watch Mode.

To Program Or Edit Dual Watch Location 2 And Engage Dual Watch Mode:

1. Press the MODE button until the Dual Watch icon and the channel number flash on the display.

Mode Button

2. Choose one of the following:

a. Select or edit a channel:

1) Press the CHANNEL UP or CHANNEL DOWN button to select a channel (1 to 8).

Select Dual Watch

Channel Buttons

b. Select or edit a channel/privacy code:

1) Press the CHANNEL UP or CHANNEL DOWN button to select a channel (1 to 8).

2) Press the MODE button to set the channel. The small numbers next to the channel number will flash on the display.

3) Press the CHANNEL UP or CHANNEL DOWN button to select a CTCSS privacy code (00 to 38).

3. Press the LOCK button to set Dual Watch Location 2 and engage DUAL WATCH MODE (see below for further details).
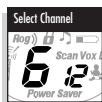
Lock Button

NOTES: To terminate Dual Watch and proceed to the next available Mode Function, press the MODE button.
While setting Dual Watch Location 2, if you do not press any buttons for fifteen (15) seconds your radio will automatically return to LISTENING MODE on Dual Watch Location 1.

MODE FUNCTIONS
OPERATION

To Turn Dual Watch On:

NOTE: Dual Watch Location 2 must be programmed to turn Dual Watch on.

1. Set the first Dual Watch Location (channel/privacy code) you wish to monitor (see "Channels" and "CTCSS Privacy Codes" sections for further details).

2. Press the MODE button until the Dual Watch icon and the channel number flash on the display.

NOTE: While setting Dual Watch, if you do not press any buttons for fifteen (15) seconds your radio will automatically return to LISTENING MODE on the last channel or channel/privacy code displayed before you entered Mode Functions.

3. Press the LOCK button to engage DUAL WATCH MODE.

During An Incoming Transmission, You Can Choose From The Following:

a. Press and hold the TALK button to communicate on that Dual Watch Location. Your radio will remain on that Dual Watch Location and return to LISTENING MODE.

b. Press the CHANNEL UP or CHANNEL DOWN button to resume Dual Watch.

If you press the TALK button while in Dual Watch and not within ten (10) seconds of receiving a transmission, you will transmit on the last Dual Watch Location on which you received a transmission. This will return the radio to LISTENING MODE.

If you do not press any button within ten (10) seconds, your radio will automatically resume Dual Watch.

During Dual Watch (while not receiving a transmission), You Can Choose From The Following:

a. Press and hold the TALK button to communicate on either Dual Watch Location 1 or the last Dual Watch Location on which, during Dual Watch, you last received a transmission. This will return the radio to LISTENING MODE.

b. Press the MODE button to proceed to other functions.

c. Press the LOCK button to return to LISTENING MODE on either Dual Watch Location 1 or the last Dual Watch Location on which, during Dual Watch, you last received a transmission.

To Terminate Dual Watch:

Choose one of the following:

a. Press the LOCK button to return to LISTENING MODE on either Dual Watch Location 1 or the last Dual Watch Location on which, during Dual Watch, you last received a transmission.

b. Press the TALK button to return to LISTENING MODE on either Dual Watch Location 1 or the last Dual Watch Location on which, during Dual Watch, you last received a transmission.

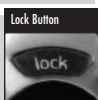c. Press the MODE button and proceed to the next available Mode Function.

Baby Monitor

With the Baby Monitor Function on, a radio left near a baby will transmit to another unit on the same channel and privacy code whenever a sound is detected. Baby Monitor uses the same sensitivity level you set for the VOX Function. If you have not set a VOX sensitivity level (see the "Voice Activated Transmit [VOX]" section of this manual), the maximum sensitivity level 5 will automatically be used.

To Turn Baby Monitor On:

1. Press MODE button until the Baby Monitor icon flashes on the display. The current Off setting is displayed.

2. Press the CHANNEL UP or CHANNEL DOWN button to change the setting to On.

3. Press the LOCK button to enter the On setting and enter BABY MONITOR MODE.

NOTES: Pressing the MODE button will enter the Baby Monitor Mode setting as Off and proceed to other Mode Functions.

Mode Button

Select Baby Monitor

Channel Buttons

Lock Button

Not pressing any buttons for fifteen (15) seconds will enter the Baby Monitor Mode setting as Off and return the radio to LISTENING MODE.

NOTE: Both radios must be tuned to the same channel and privacy code to communicate.

To Terminate Baby Monitor Mode:

Choose one of the following:
   a. Press the TALK button and return to LISTENING MODE.
   b. Press the LOCK button and return to LISTENING MODE.
   c. Press the MODE button and proceed to the next available Mode Function.

5 Call Tone Settings

You can choose between five (5) different call tone settings to transmit a unique call alert.

To Change a Call Tone Setting:

1. Press the MODE button until the letter "C" and the current call tone number (1 to 5) is displayed. The current call tone will sound for two (2) seconds.

2. Press the CHANNEL UP or CHANNEL DOWN button to hear the other call tone settings.

Mode Button

Call Tone Setting

Channel Buttons

3. When your desired call tone setting is displayed, choose one of the following:
   a. Press the MODE button to enter the new setting and proceed to other functions.
   b. Press the LOCK button to enter the new setting and return to LISTENING MODE.
   c. Do not press any buttons for fifteen (15) seconds to enter the new setting and return to LISTENING MODE.
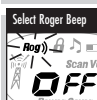
"Roger Beep" Confirmation Tone

Your listener will hear an audible tone when you release the TALK button. This alerts the other party that you have finished talking and that it is OK for them to speak. This feature can be turned On or Off.

To Turn "Roger Beep" On or Off:

When you turn On your microTALK® radio for the first time, "Roger Beep" will be On.

1. Press and release the MODE button until the "Roger Beep" icon flashes on the display. The current On or Off setting is displayed.

2. Press the CHANNEL UP or CHANNEL DOWN button to select "Roger Beep" On or Off.

Mode Button

Select Roger Beep

3. When your desired Roger Beep Mode setting is displayed, choose one of the following:
   a. Press the MODE button to enter the new setting and proceed to other functions.
   b. Press the LOCK button to enter the new setting and return to LISTENING MODE.
   c. Do not press any buttons for fifteen (15) seconds to enter the new setting and return to LISTENING MODE.

Channel Buttons

The setting you select will be saved when you turn your radio off and on again. When the "Roger Beep" is On, the "Roger Beep" icon will be displayed.

Keystroke Tones

With Keystroke Tones turned On, your radio will sound beeps each time you press a button or change a setting.

To Turn Keystroke Tones On or Off:

When you turn On your microTALK® radio for the first time, Keystroke Tones will be On.

1. Press the MODE button until the Keystroke Tones icon flashes on the display. The current ON or OFF setting is displayed.

2. Press the CHANNEL UP or CHANNEL DOWN button to turn Keystroke Tones On or Off.

Mode Button

mode

Select Keystroke

Scan Vox D

OFF

Channel Buttons

3. When your desired Keystroke Tone Mode setting is displayed, choose one of the following:

   a. Press the MODE button to enter the new setting and return to LISTENING MODE.

   b. Press the LOCK button to enter the new setting and return to LISTENING MODE.

   c. Do not press any buttons for fifteen (15) seconds to enter the new setting and return to LISTENING MODE.

The setting you select will be saved when you turn your radio off and on again. When Keystroke Tones are On, the keystroke tone icon will be displayed.

Declaration of Conformity

This declaration is the responsibility of the manufacturer/importer

Cobra Electronics Europe Limited
Dungar House
Northumberland Avenue
Dun Laoghaire
County Dublin, Ireland

Date: 21 November 2005

This certifies that the following designated product

PRIVATE MOBILE RADIO: MT 750

(Product Identification)

complies with the essential protection requirements of R & TTE Directive 1999/5/EC on the approximation of the laws of the Member States relating to Radio Spectrum Matters, EMC and Electrical Safety.

This declaration applies to all specimens manufactured in accordance with the attached technical documentation described in Annex II of the Directive which forms part of this declaration.

Assessment of compliance of the product (class 2.6) with the requirements relating to the essential requirements according to Article 3 R & TTE was based on Annex IV of Directive 1999/5/EC and the following standards:

Radio Spectrum:	**EN 300 296-1 V1.1.1 (2001-03)** **EN 300 296-2 V1.1.1 (2001-03)**
EMC:	**EN 301 489-1 V1.4.1 (2002-08)** **EN 301 489-5 V1.3.1 (2002-08)**
Electrical Safety:	**IEC 60950-1:2001 /** **EN 60950-1:2001**
RF Exposure:	**EN 50392 (2004-02)**

DUBLIN, IRELAND   MIKE KAVANAGH

Warranty & Customer Service

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Dungar House, Northumberland Avenue
Dun Laoghaire, County Dublin, Ireland

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